



Infrastructure, buildings, environment, communications

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ATTN: Information Technology Unit
California Regional Water Quality Control Board
Los Angeles Region (RWQCB)
320 West 4th Street, Suite 200
Los Angeles, California 90013

ENVIRONMENTAL

Subject:

Third Quarter 2004 Discharge Monitoring Report
Waste Discharge Requirements Order Number R4-2002-0030 (Series 007)
Compliance File Number CI-95-036, SLIC 0410
Project Site: Former Boeing C-6 Facility (Building 2 Area), Los Angeles, California

Date:
October 25, 2004

Contact:
Alistaire Callender, Ph.D.

Phone:
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Email:
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Project Number:
CA000594.0003.00005

Dear Information Technology Unit:

On behalf of Boeing Realty Corporation (BRC), ARCADIS is submitting this quarterly monitoring report per the Waste Discharge Requirements (WDR) Order Number R4-2002-0030 (Series 007). The purpose of this report and future WDR reports is to provide the Los Angeles Regional Water Quality Control Board (RWQCB) with a summary of amendment and monitoring activities performed at the referenced project site. The site is located at 19503 Normandie Avenue. Figures 1 and 2 illustrate the site location and the site layout, respectively.

This monitoring report summarizes groundwater amendment and monitoring activities performed during the third quarter of 2004. Activities performed to test the amendment system are summarized in Section 1.0. Groundwater monitoring activities performed to evaluate the initial distribution of amendment solution are summarized in Section 2.0. A certification statement is provided in Section 3.0.

1.0 Amendment Activities

During the third quarter, a water test was conducted at several amendment points to evaluate the hydraulic performance of the bioremediation system. The water tests were a completion of tests performed during the second quarter 2004 according to the *Water Test Plan* (Plan) and the *Water Test Plan Addendum* (Addendum) issued by

October 25, 2004

ARCADIS on May 18 and June 28, 2004, respectively. The Plan and the Addendum were approved by the RWQCB on May 21 and June 29, 2004, respectively. The water tests were conducted between June 21 and July 12, 2004. BRC submitted a report documenting the results of the water tests to the RWQCB on September 17, 2004.

Amendment activities for the third quarter 2004 also included the injection of amendment solution into vaults 1 through 4. As of October 8, 2004 the following volumes of solution had been added to the amendment wells since September 20, 2004:

- Vault 1: approximately 48,000 gallons
- Vault 2: approximately 24,000 gallons
- Vault 3: approximately 22,500 gallons
- Vault 4: approximately 19,200 gallons

2.0 Monitoring Activities

Groundwater monitoring was not conducted during the third quarter since injection activities continued beyond the third quarter and into October 2004. Groundwater monitoring will be performed over the fourth quarter 2004 as per the monitoring schedule for post-injection activities (Week 2, Week 6, Week 12, Week 16, Week 21, and Week 36 after injection).

3.0 Certification Statement

I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ARCADIS

LA Regional Water Quality
Control Board Information
Technology Unit

October 25, 2004

If you have any questions or comments regarding this discharge monitoring report,
please contact Alistaire Callender or David Poley at (714) 278-0992.

Sincerely,

ARCADIS G&M, Inc.



David G. Poley
Project Scientist



Trent Henderson, P.E.
Site Evaluation & Remediation
Department Manager



Alistaire Callender, Ph.D.
Project Manager

Copies:

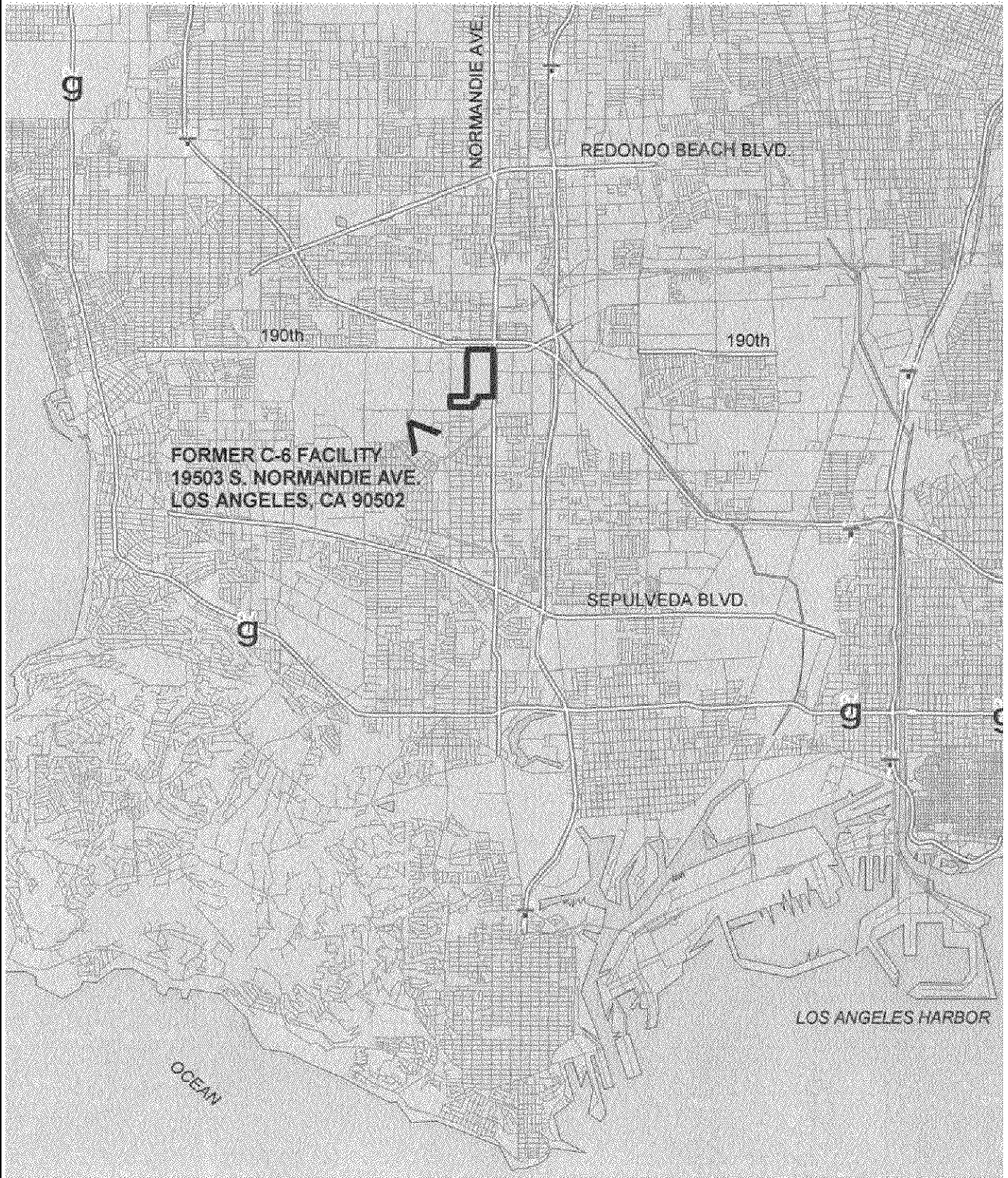
Robert Scott, Boeing Realty Corporation
Scott Zachary, Haley & Aldrich
Project File

Enclosures:

Figure 1 - Site Location
Figure 2 - Amendment Point and Monitoring Well Locations

ARCADIS

Figures



SITE LOCATION

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE

1

HARBOR GATE WAY

KNOX ST.

REFR. LAB BOX

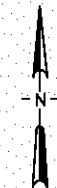


AMENDMENT POINT AND
MONITORING WELL LOCATIONS
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE
2

LEGEND

- IRZCMW005 BIOGROUNDWATER MONITORING WELL
- IRZS04W5 DUAL BIOINJECTION POINT
- IRZ031 SINGLE BIOINJECTION POINT
- AMENDMENT POINTS TAKEN OUT OF SERVICE
- AMENDMENT POINTS REQUIRING MODERATE INJECTION PRESSURE
- AMENDMENT POINTS THAT SIPHON DURING INJECTION
- VAULT 1 FLUSH MOUNTED VAULT FOR SUBSURFACE REMEDIATION PIPING
- BIOREMEDIATION SYSTEM PIPING



0 80 160
SCALE IN FEET

ALL DIMENSIONS AND LOCATIONS APPROXIMATE

BASE MAP PROVIDED BY HILL PINKERT ARCHITECTS, INC. IN FEBRUARY 2003

